

ATTACHMENT A
Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) Hydromechanical clamping device ~~(1; 41)~~, in particular in the form of a chuck, preferably intended to be, with one end ~~(4)~~ thereof, mounted in a machining device, and with the other end to releasably hold a shaft tool ~~(2)~~, the clamping device ~~(1; 41)~~ comprising an inner sleeve with an axial bore ~~(8)~~ for receiving the shaft of the shaft tool ~~(2)~~, and a clamping means, ~~characterised~~ characterized in that the inner sleeve ~~(6; 42)~~ and an outer sleeve ~~(7)~~ encloses at least one chamber ~~(11)~~ in which a clamping means in the shape of an annular piston ~~(9; 43)~~ is enclosed, which piston ~~(9; 43)~~ by means of hydraulically operating means is displaceable in the axial direction, wherein the piston ~~(9; 43)~~ and the inner sleeve ~~(6; 42)~~ have interacting conical surfaces ~~(10; 51)~~ which at axial displacement of the piston ~~(9; 43)~~ in one direction cause radial compression of the inner sleeve ~~(6; 42)~~ for clamping the shaft tool ~~(2)~~, and that axial displacement of the piston ~~(9; 43)~~ in the other direction causes relief of the inner sleeve ~~(6; 42)~~ for releasing the shaft tool ~~(2)~~.

2. (Currently Amended) Clamping device according to claim 1, ~~characterised~~ characterized in that the hydraulic means include a pressurization chamber ~~(12)~~ arranged at one end of the piston, and a relief chamber ~~(13)~~ at the other end of the piston, which chambers ~~(12; 13)~~ are capable of being filled and pressurized by a hydraulic pressure medium.

3. (Currently Amended) Clamping device according to claim 1 ~~or 2~~, ~~characterised~~ characterized in that the interacting conical surfaces have a conicity that is self locking.

4. (Currently Amended) Clamping device according to ~~any of the preceding claims~~ claim 1, ~~characterised~~ characterized in that the inner sleeve ~~(6; 42)~~ and the outer sleeve

~~(7)~~ are joined together by welding, threading, soldering, gluing or with a combination thereof.

5. (Currently Amended) Clamping device according to ~~any of the preceding claims claim 1, characterised~~characterized in that a sealing means, preferably in the shape of a sealing ring ~~(20)~~, is arranged between the piston and the outer sleeve.

6. (Currently Amended) Clamping device according to claim 5, ~~characterised~~characterized in that the sealing means is arranged closer to the pressurization side of the piston than to the relief side.

7. (Currently Amended) Clamping device according to ~~any of the preceding claims claim 1, characterised~~characterized in that the part intended for clamping a tool is integrated with the part intended for mounting in a machining device.

8. (Currently Amended) Clamping device according to ~~any of the preceding claims claim 1, characterised~~characterized in that the clamping device comprises two or more axial chambers, wherein each chamber encloses an annular piston.

9. (Currently Amended) Hydromechanical clamping device ~~(70)~~, in particular in the form of a mandrel, preferably intended to be, with one end ~~(72)~~ thereof, mounted in a machining device, and with the other end to releasably hold a tool ~~(74)~~, the clamping device ~~(70)~~ comprising an inner sleeve ~~(75)~~ and a clamping means, ~~characterised~~characterized in that the inner sleeve ~~(75)~~ and an outer sleeve ~~(76)~~ encloses at least one chamber ~~(77)~~ in which a clamping means in the shape of an annular piston ~~(78)~~ is enclosed, which piston ~~(78)~~ by means of hydraulically operating means is displaceable in axial direction, wherein the piston ~~(78)~~ and the outer sleeve ~~(76)~~ have interacting conical surfaces ~~(79)~~ that at axial displacement of the piston ~~(78)~~ in one direction cause radial expansion of the outer sleeve for clamping the tool ~~(74)~~, and that axial displacement of the piston ~~(78)~~ in the other direction causes relief of the outer sleeve for releasing the tool ~~(74)~~.

10. (Currently Amended) Clamping device according to claim 9, ~~characterised~~characterized in that the hydraulic means include a pressurization chamber ~~(80)~~ arranged at one end of the piston, and a relief chamber ~~(81)~~ at the other end of the piston, which chambers ~~(80, 81)~~ are capable of being filled and pressurized by a hydraulic pressure medium.

11. (Currently Amended) Clamping device according to ~~any of the claims 9-10~~ claim 9, ~~characterised~~characterized in that the clamping device comprises two or more axial chambers, wherein each chamber encloses an annular piston.